

CLEAN VERSION OF AMENDMENTS

IN THE CLAIMS

Please amend Claims 21 and 41 as follows in re-written "clean" format:

21. (Twice Amended/Clean) An electrode for an energy storage and conversion device, comprising
a substrate; and
a layer of an active material comprising a metal sulfide, metal selenide, or metal telluride, and having a thickness in the range from about 5 to about 114 microns deposited on the substrate, wherein the layer comprises greater than 95% of the active material.

41. (Amended/Clean) An electrode for an energy storage and conversion device, comprising
a substrate; and
a layer of an active material comprising FeS_2 , CoS_2 , WS_2 , NiS_2 , MoS_2 , metal selenide, or metal telluride, and having a thickness in the range from about 5 to about 114 microns deposited on the substrate, wherein the layer comprises greater than 95% of the active material.

Please add new Claims 50-54:

50. (New) An electrode produced by the process of:
thermally spraying a feedstock mixture onto a substrate to produce a film of an active material having a thickness of about 1 to about 1000 microns, wherein the feedstock material comprises an effective quantity of a source of elemental sulfur and a metal sulfide active material, an effective quantity of a source of elemental selenium and a metal selenide active material, or an effective quantity of a source of a elemental tellurium and a metal telluride active material.

51. (New) The electrode of Claim 50, wherein the feedstock mixture comprises a source of elemental sulfur and metal sulfide.

52. (New) The electrode of Claim 51, wherein the metal sulfide is FeS_2 , CoS_2 , WS_2 , NiS_2 , or MoS_2 .

53. (New) The electrode of Claim 50, wherein the active material is microstructured.

54. (New) The electrode of Claim 50, wherein the active material is nanostructured.